

# FAST-RESPONSE VOLTAGE OUTPUT PRESSURE TRANSDUCER

## PRESSURE RANGES FROM 6 TO 2000 psig

**PX105 Series**  
0-6 to 0-2000 psig  
0-4 to 0-138 bar

All Ranges  
**\$370**



- ✓ Typical Accuracy:  $\pm 0.5\%$
- ✓ Fully Calibrated and Temperature Compensated
- ✓ Internal Voltage Regulation
- ✓ Interchangeable Unit to Unit  $\pm 1\%$
- ✓ Computer Trimmed to Ensure Accuracy and Repeatability
- ✓ Long-Term Stability:  $\pm 1\%$
- ✓ Operating Temperature Range:  $-55$  to  $125^{\circ}\text{C}$  ( $-67$  to  $257^{\circ}\text{F}$ )
- ✓ Rugged Temperature-Resistant Valox® Case and Connector

### SPECIFICATIONS

Excitation: 8 to 20 Vdc at 15 mA

Output: 1 to 6 Vdc

Accuracy:  $\pm 1\%$  full scale maximum

Linearity:

<50 psi:  $\pm 0.5\%$  FS

$\geq 50$  psi:  $\pm 0.2\%$  FS

Hysteresis:  $\pm 0.25\%$  full scale

Zero Balance:  $\pm 1\%$  full scale typical  
 $\pm 3\%$  full scale maximum

Frequency Response: 3 db at 1.5 kHz

Compensated Temperature Range:  
0 to  $85^{\circ}\text{C}$  (32 to  $185^{\circ}\text{F}$ )

Thermal Zero Effect:  $\pm 0.02\%$  rdg/ $^{\circ}\text{C}$   
( $\pm 0.01\%$  rdg/ $^{\circ}\text{F}$ )

Proof Pressure: 2x full scale

Burst Pressure: 5x full scale minimum  
(6, 15, 25, psig = 20 x FS)

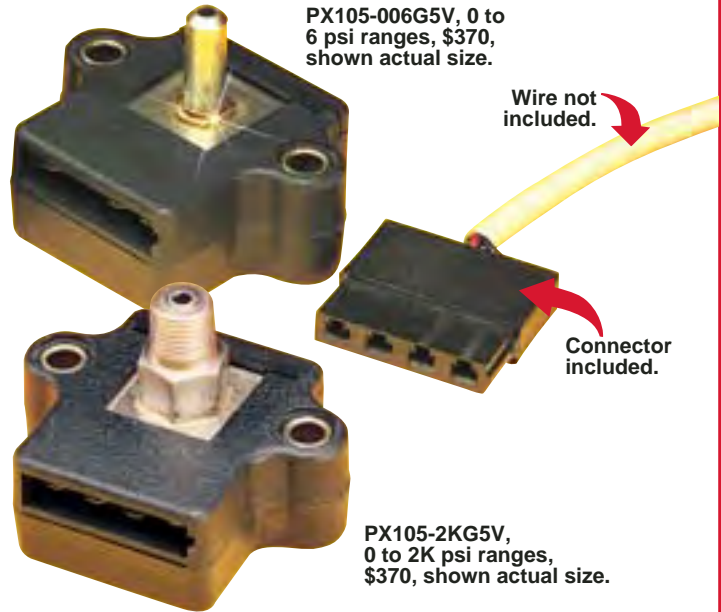
Gages: Piezoresistive

Diaphragm/Port Material:

300 Series SS (silver, copper, nickel, cadmium brazed)

Electrical Connection: CX106-4

Weight: 114 g (4 oz)

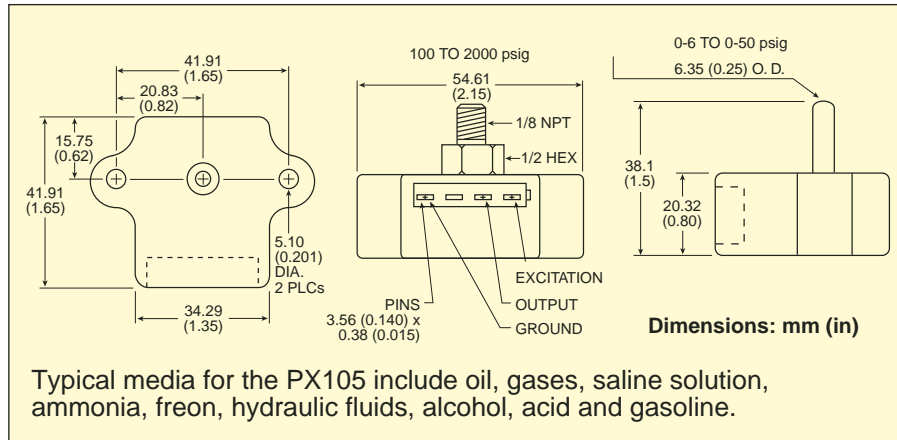


PX105-006G5V, 0 to 6 psi ranges, \$370, shown actual size.

Wire not included.

Connector included.

PX105-2KG5V, 0 to 2K psi ranges, \$370, shown actual size.



**MOST POPULAR MODELS HIGHLIGHTED!**

### To Order (Specify Model Number)

RANGE	MODEL NO.	PRICE	COMPATIBLE METERS*
0 to 6 psig	0 to 0.41 bar	<b>PX105-006G5V</b>	<b>\$370</b> DP25B-E, DP2000P4, DP3002-E
0 to 15 psig	0 to 1.0 bar	<b>PX105-015G5V</b>	<b>370</b> DP25B-E, DP2000P4, DP3002-E
0 to 25 psig	0 to 1.7 bar	<b>PX105-025G5V</b>	<b>370</b> DP25B-E, DP2000P4, DP3002-E
0 to 50 psig	0 to 3.4 bar	<b>PX105-050G5V</b>	<b>370</b> DP25B-E, DP2000P4, DP3002-E
0 to 200 psig	0 to 13.8 bar	<b>PX105-200G5V</b>	<b>370</b> DP25B-E, DP2000P4, DP3002-E
0 to 500 psig	0 to 34.5 bar	<b>PX105-500G5V</b>	<b>370</b> DP25B-E, DP2000P4, DP3002-E
0 to 1000 psig	0 to 68.9 bar	<b>PX105-1KG5V</b>	<b>370</b> DP25B-E, DP2000P4, DP3002-E
0 to 2000 psig	0 to 138 bar	<b>PX105-2KG5V</b>	<b>370</b> DP25B-E, DP2000P4, DP3002-E

Comes with complete operator's manual.

\* See section D for compatible meters.

Ordering Example: PX105-006G5V, range of 0 to 6 psig, \$370.

### ACCESSORY

MODEL NO.	PRICE	DESCRIPTION
CM-4547	\$350	Reference Book: Van Nostrand's Scientific Encyclopedia

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